

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing of claims in the application.

1. (currently amended) ~~In combination with a powered opto-electronics unit within which optical signals are generated for determination of smoke density at a test location spaced therefrom a~~ A smoke detector system comprising:
~~a powered opto-electronics unit within which optical signals are generated for determination of smoke density;~~
~~a passive sensor remotely located from the opto-electronics unit, said passive sensor including a housing having openings and enclosing an air gap exposed through said openings at said test location to smoke;~~
~~a fiber optics cable interconnecting said opto-electronics unit and said passive sensor;~~
collimating lens means mounted within the housing at one axial end thereof and connected to the fiber optics cable for transmission of said generated optical signals into the housing ~~confined to the air gap along an optical axis longitudinally centered in said passive sensor~~; and,
focusing mirror means mounted within the housing at an opposite axial end of the housing for reflection of the optical signals ~~along said optical axis~~, through the air gap and the lens means and into the fiber cable to be returned to the opto-electronics unit.

2. (currently amended) The combination system as defined in claim 1, wherein